June 12, 2025
Meidensha Corporation

Meidensha's ester oil transformer first of its kind to receive SuMPO EPD verification

Meidensha Corporation has received third-party verification from the Sustainable Management Promotion Organization (SuMPO) under its Environmental Product Declaration (EPD) program[*1]—formerly called Ecoleaf—for Meidensha's ester-oil transformer[*2]. This transformer is the first of its kind to obtain verification from SuMPO's program, which aims to expand decarbonization-related markets and supports compliance with anticipated environmental laws and regulations in Japan and abroad.

SuMPO's EPD program is operated in accordance with ISO 14025, an international standard. Increasingly, countries are adopting EPDs as a common framework for environmental communication[*3].

As part of the third-party verification, SuMPO assessed the ester-oil transformer's environmental impacts across its lifecycle, including greenhouse gas (GHG) emissions, effects on air and water, and information on resource recycling. Visualizing GHG emissions helps product-using clients improve the accuracy of Scope 3[*4] emission calculations and highlights opportunities to reduce emissions across the supply chain.
Meidensha remains committed to developing and delivering more eco-friendly products, contributing to a sustainable society, and transparently disclosing environmental, social, and governance (ESG) information to stakeholders.

Ester-oil transformer verified under SuMPO EPD

*1: Details of the ester-oil transformer's EPD are available on SuMPO's EPD Program website (Japanese only): https://ecoleaf-label.jp/epd/download/2236

*2: The transformer uses ester oils (e.g., palm, rapeseed, or soybean oil) as an insulating and cooling medium instead of mineral oil.

*3: For information on SuMPO EPD, see the official website: https://ecoleaf-label.jp/en/about/ "SuMPO" and "SuMPO EPD" are trademarks or registered trademarks of the Sustainable Management Promotion Organization.

*4: Scope 3 refers to greenhouse gas (GHG) emissions across the supply chain, from raw material procurement through manufacturing, sales, use, and disposal.